



Weltall

(deep version)

by Arya Akhavan (January 2013)

Angles for R.I. = 1.430

43 + 6 girdles = 49 facets

3-fold, mirror-image symmetry

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$L/W = 1.000$ $T/W = 0.417$ $U/W = 0.388$

$P/W = 0.452$ $C/W = 0.142$

$Vol./W^3 = 0.175$

PAVILION

P1	47.00°	01-31-33-63-65-95	Cut to centerpoint.
G1	90.00°	04-28-36-60-68-92	Set stone size.
P2	47.88°	02-30-34-62-66-94	Meet P1, G1
P3	50.20°	03-29-35-61-67-93	Meet P1, G1, P2
P4	56.61°	04-28-36-60-68-92	Meet P1, G1, P2, P3

CROWN

C1	35.00°	04-28-36-60-68-92	Set girdle width.
C2	29.41°	05-27-37-59-69-91	Meet G1, C1
C3	26.87°	06-26-38-58-70-90	Meet G1, C1, C2
T	0.00°	Table	Meet C2, C3

How many facets can YOU get to meet correctly in a single meetpoint? Well, this pattern has 3 sets of 8-facet meetpoints, and 3 sets of 10-facet meetpoints. Good luck - you'll need it. This deep version is less interesting than the shallow one. Works in materials from fluorite (!) to rutile (RI = 1.43 - 2.62) with no changes.

Suggested size = 8-10 mm

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